

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
 Data File : BF119127.D
 Acq On : 28 Feb 2020 00:33
 Operator : CG/JU
 Sample : L1697-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 02:59:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	143010	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	511042	20.00	ng	0.00
39) Acenaphthene-d10	9.78	164	242852	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	371573	20.00	ng	0.00
76) Chrysene-d12	13.90	240	333702	20.00	ng	0.00
87) Perylene-d12	15.33	264	387936	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	703021	82.15	ng	0.00
7) Phenol-d6	6.39	99	823504	79.13	ng	-0.01
23) Nitrobenzene-d5	7.31	82	525164	54.26	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	205482	64.68	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	889980	53.99	ng	0.00
79) Terphenyl-d14	12.84	244	811843	41.89	ng	0.00

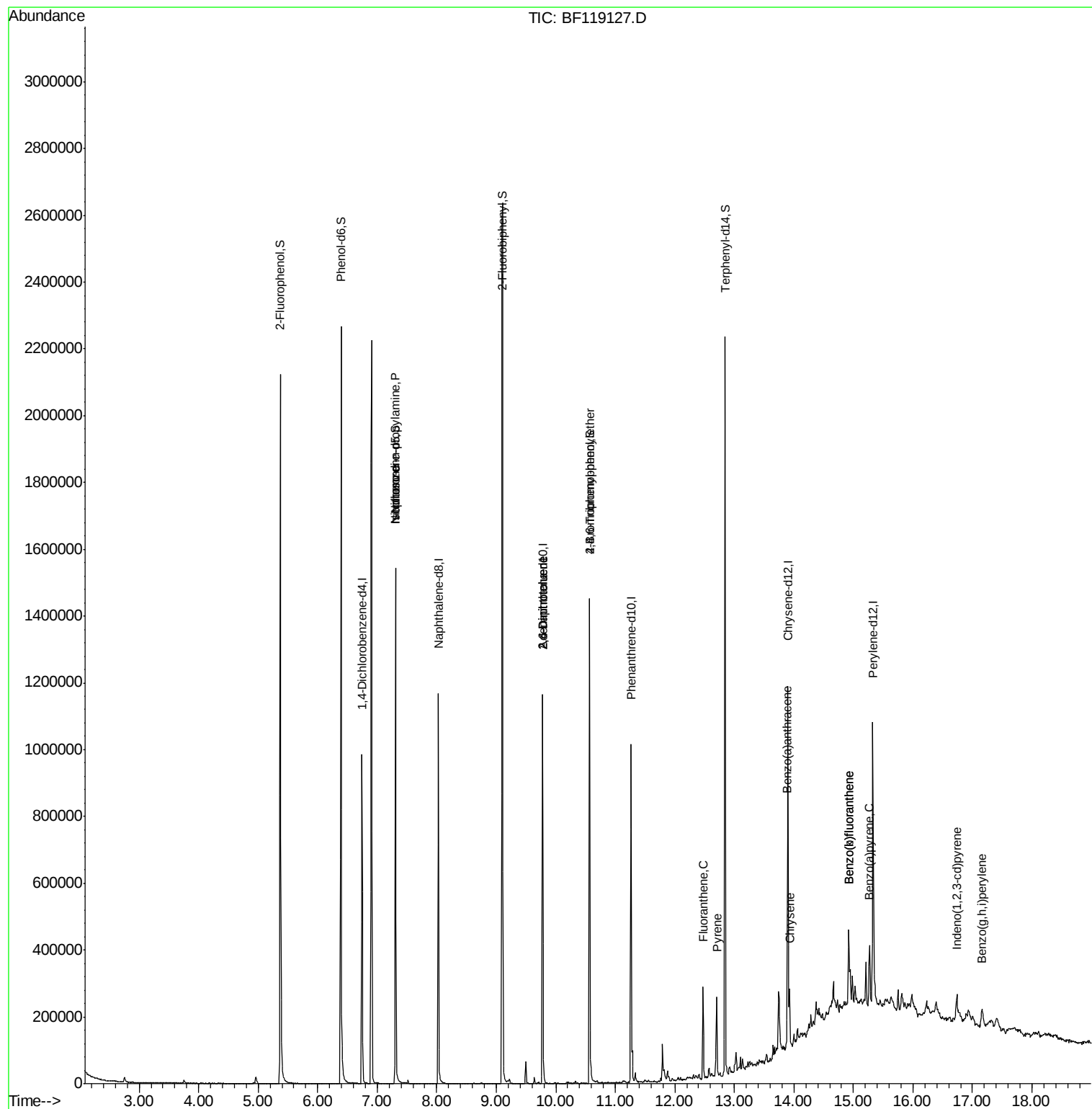
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	70604	11.642	ng	# 73
25) Isophorone	7.31	82	525158	31.242	ng	# 63
51) 2,6-Dinitrotoluene	9.78	165	31069	7.530	ng	# 33
57) 2,4-Dinitrotoluene	9.78	165	31069	5.810	ng	# 21
67) 4-Bromophenyl-phenylether	10.57	248	13367	2.752	ng	# 1
75) Fluoranthene	12.47	202	111131	5.167	ng	98
78) Pyrene	12.70	202	104632	3.905	ng	97
81) Benzo(a)anthracene	13.89	228	78563	3.455	ng	100
83) Chrysene	13.93	228	75200	3.319	ng	98
86) Indeno(1,2,3-cd)pyrene	16.73	276	45512	2.075	ng	98
88) Benzo(b)fluoranthene	14.92	252	164761	6.443	ng	98
89) Benzo(k)fluoranthene	14.92	252	164761	6.953	ng	98
90) Benzo(a)pyrene	15.27	252	83677	3.626	ng	97
92) Benzo(a,h,i)perylene	17.16	276	41540	2.070	ng	# 94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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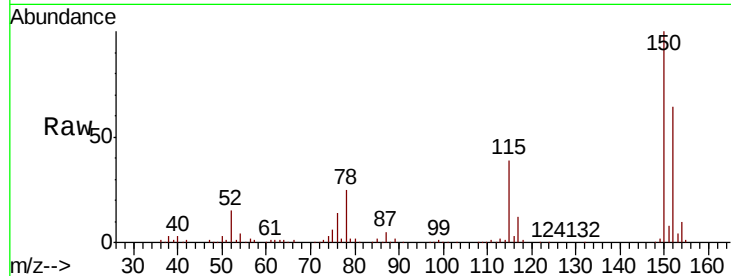


#1

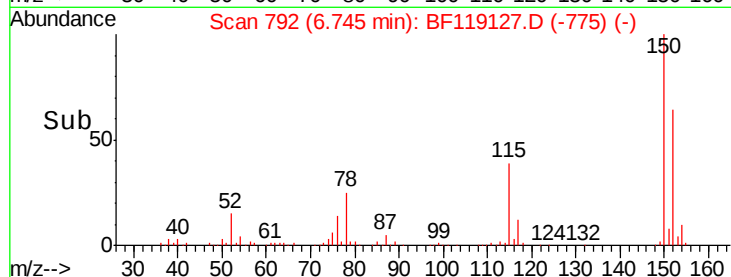
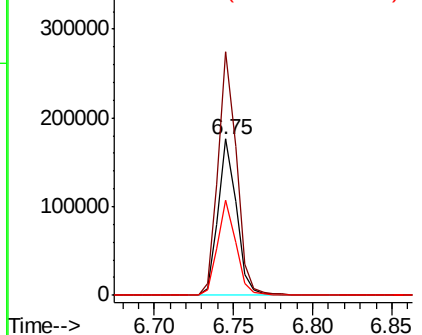
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF119127.D
Acq: 28 Feb 2020 00:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143010
Ion Ratio Lower Upper
152 100
150 156.0 123.0 184.6
115 61.3 49.5 74.3



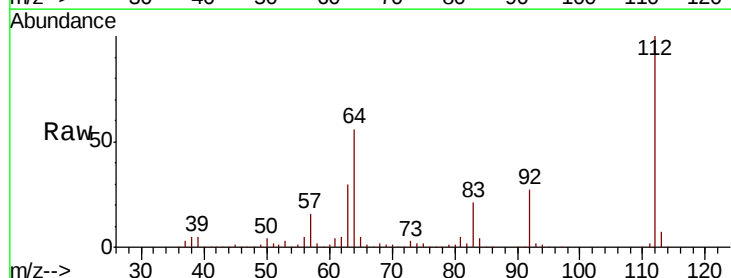
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



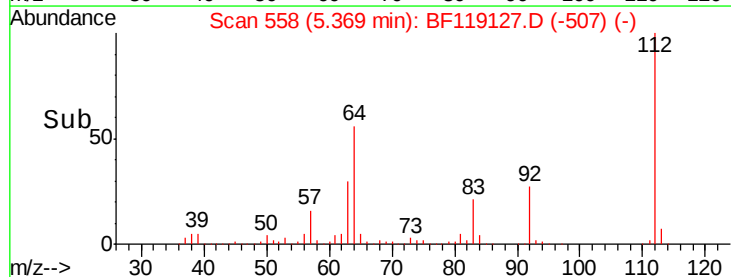
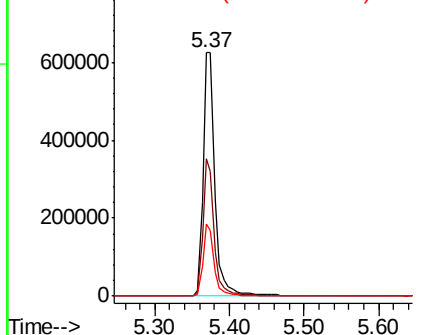
#5

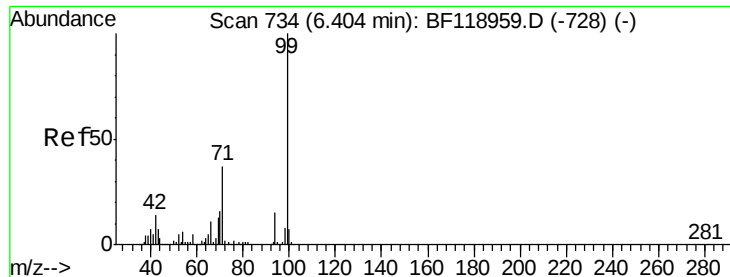
2-Fluorophenol
Concen: 82.153 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.00 min
Lab File: BF119127.D
Acq: 28 Feb 2020 00:33

Tgt Ion:112 Resp: 703021
Ion Ratio Lower Upper
112 100
64 56.4 45.0 67.4
63 29.6 24.2 36.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 79.127 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119127.D

Acq: 28 Feb 2020 00:33

Instrument :

BNA_F

ClientSampleId :

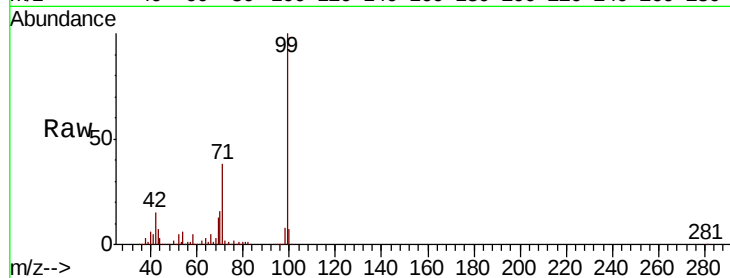
Tot Ion: 99 Resp: 823504

Ion Ratio Lower Upper

99 100

42 14.7 12.6 18.8

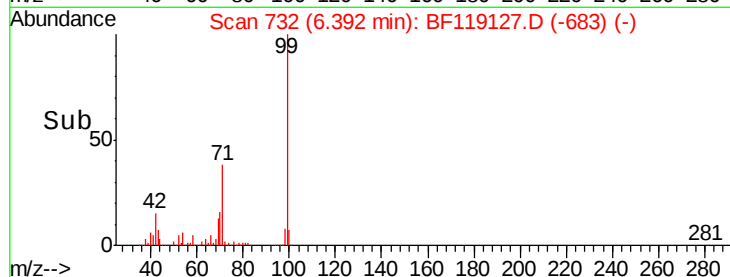
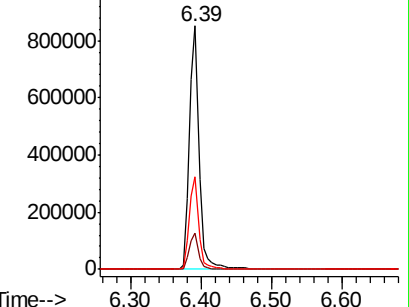
71 37.8 31.0 46.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.642 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF119127.D

Acq: 28 Feb 2020 00:33

Tgt Ion: 70 Resp: 70604

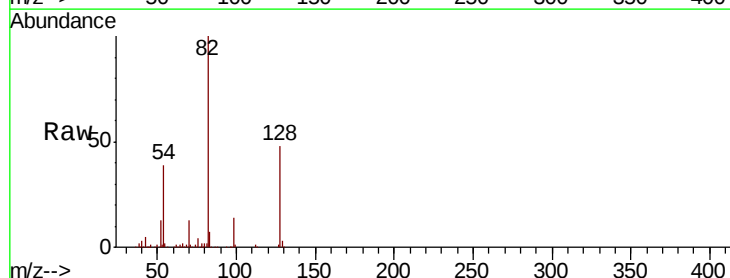
Ion Ratio Lower Upper

70 100

42 34.4 38.0 57.0#

101 0.0 8.2 12.4#

130 2.1 18.2 27.4#

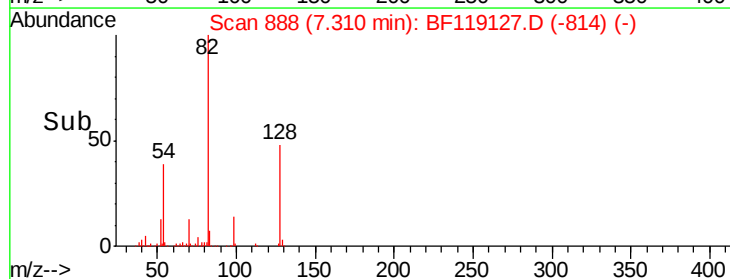
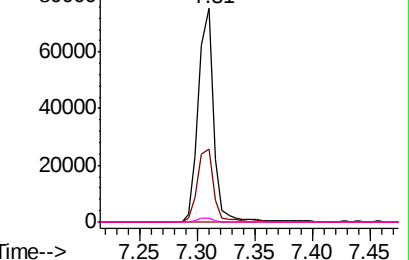


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF119127.D

Acq: 28 Feb 2020 00:33

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 511042

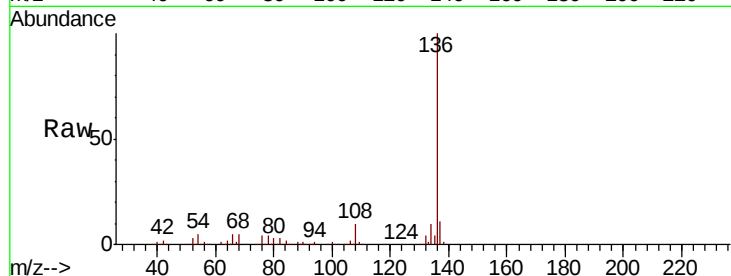
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 4.9 3.8 5.6

68 5.2 3.9 5.9

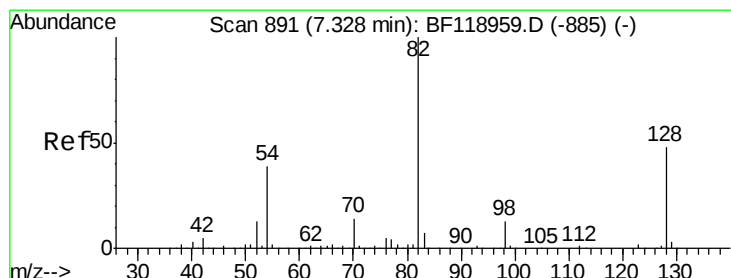
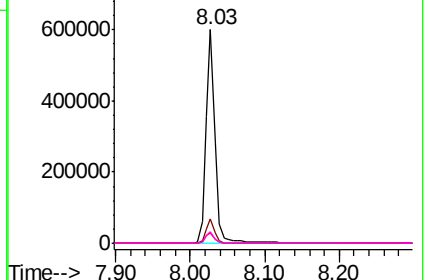
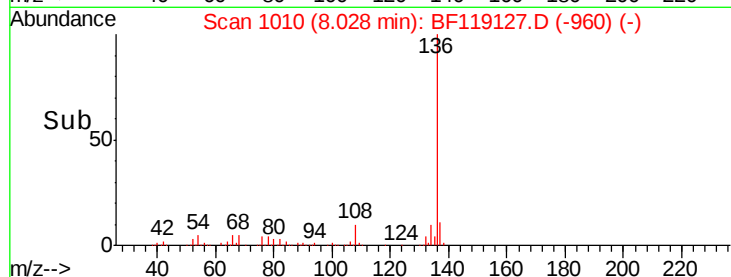


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 54.259 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.01 min

Lab File: BF119127.D

Acq: 28 Feb 2020 00:33

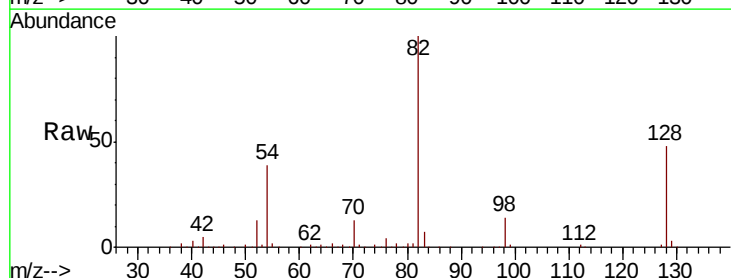
Tgt Ion: 82 Resp: 525164

Ion Ratio Lower Upper

82 100

128 47.6 37.9 56.9

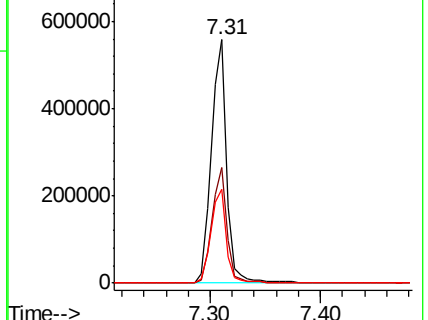
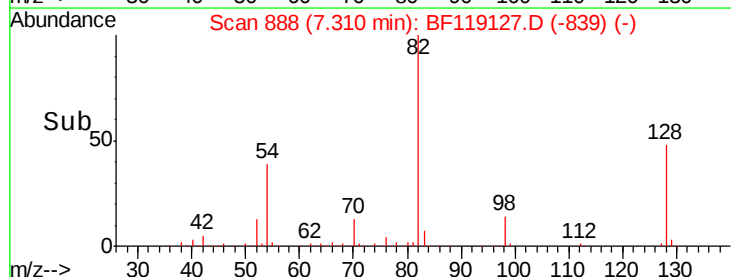
54 38.6 33.4 50.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.242 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.27 min

Lab File: BF119127.D

Acq: 28 Feb 2020 00:33

Instrument :

BNA_F

ClientSampleId :

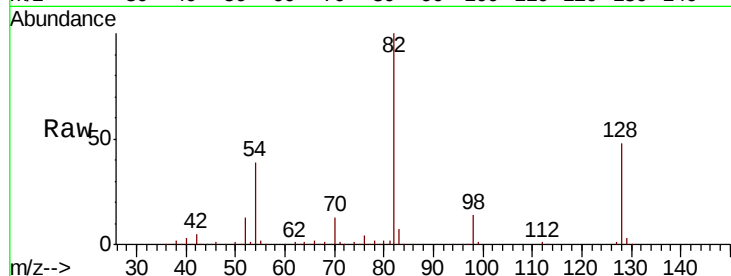
Tot Ion: 82 Resp: 525158

Ion Ratio Lower Upper

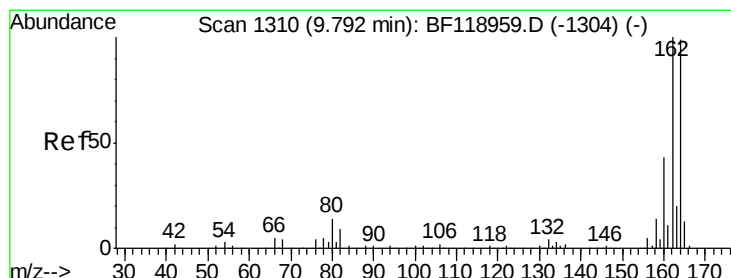
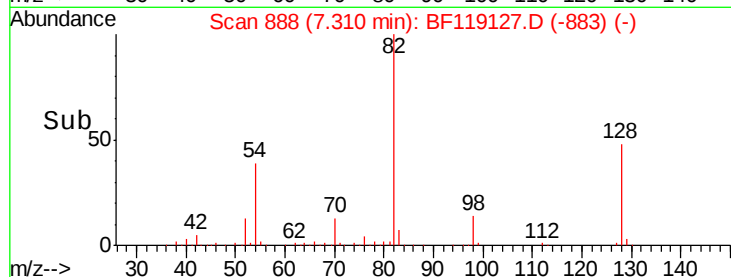
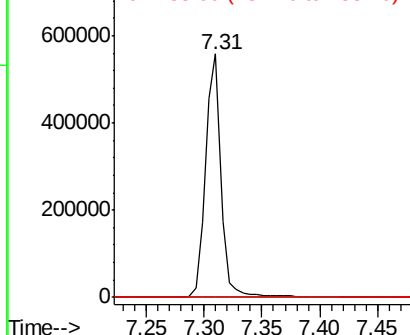
82 100

95 0.0 6.4 9.6#

138 0.0 15.7 23.5#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF119127.D

Acq: 28 Feb 2020 00:33

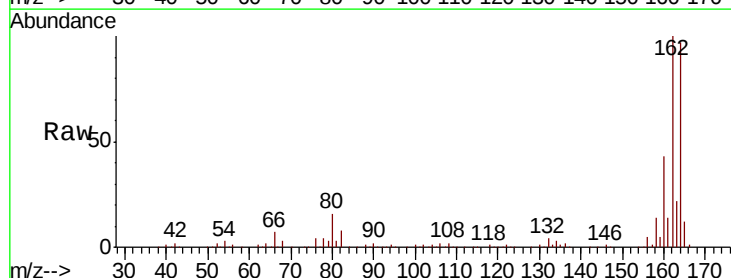
Tgt Ion: 164 Resp: 242852

Ion Ratio Lower Upper

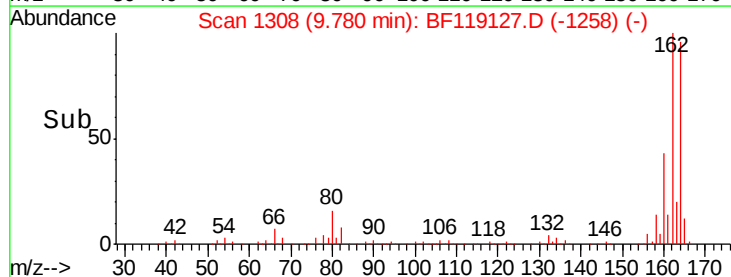
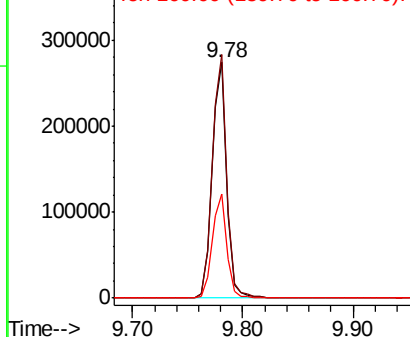
164 100

162 103.4 81.8 122.8

160 44.5 36.0 54.0



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 64.680 ng

RT: 10.57 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF119127.D

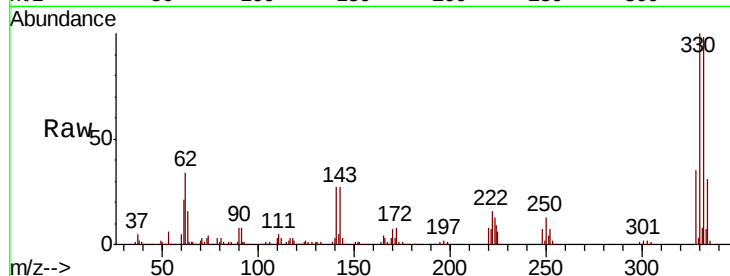
Acq: 28 Feb 2020 00:33

Instrument :

BNA_F

ClientSampled :

Tot Ion:	330	Resp:	205482
Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.0	114.0
141	30.3	22.9	34.3

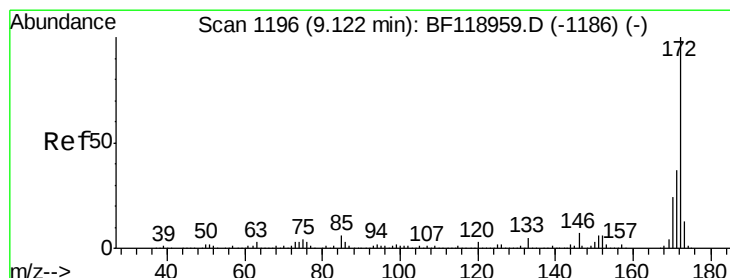
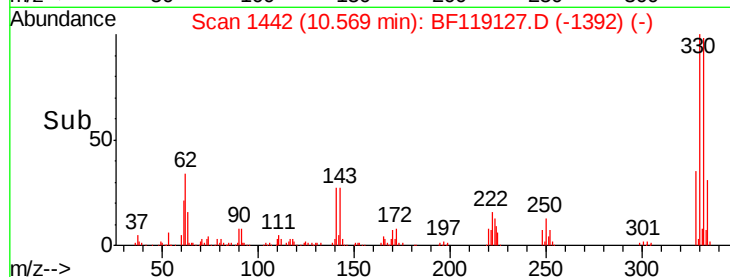
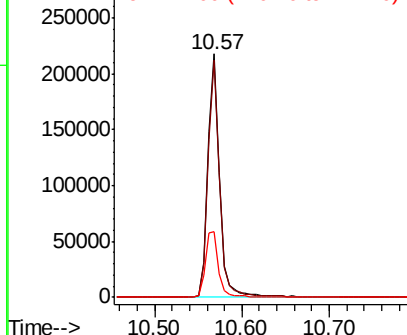


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 53.987 ng

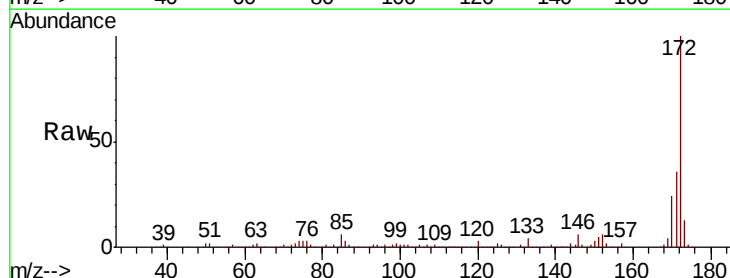
RT: 9.10 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF119127.D

Acq: 28 Feb 2020 00:33

Tgt Ion:	172	Resp:	889980
Ion	Ratio	Lower	Upper
172	100		
171	35.7	30.6	45.8
170	23.6	20.2	30.2

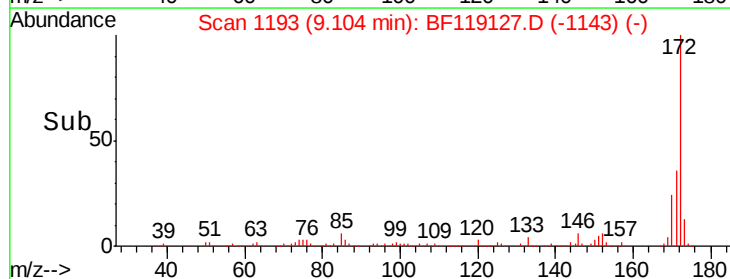
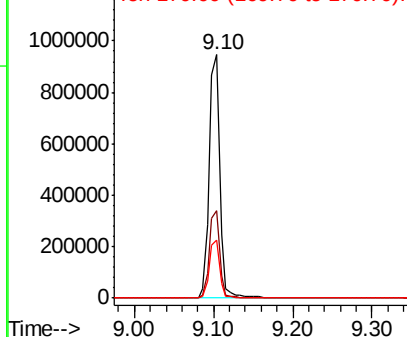


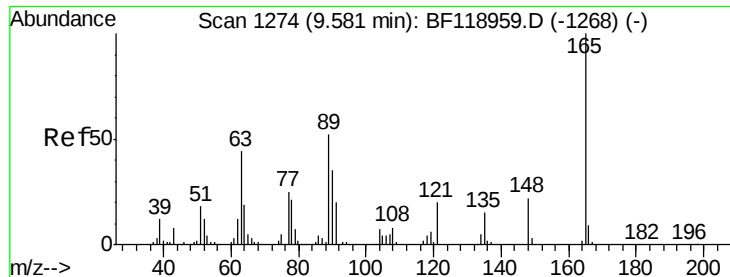
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

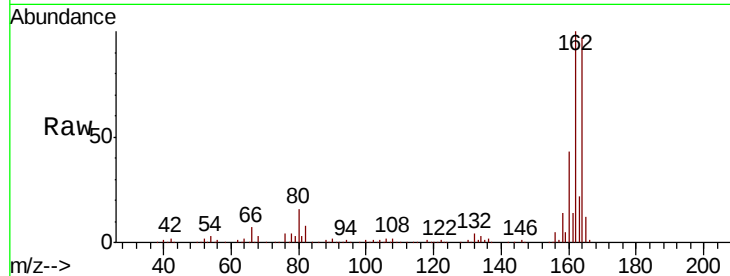




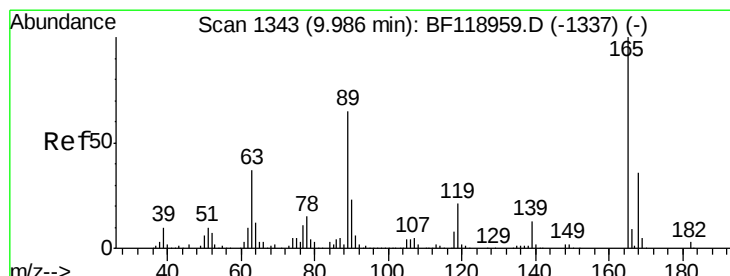
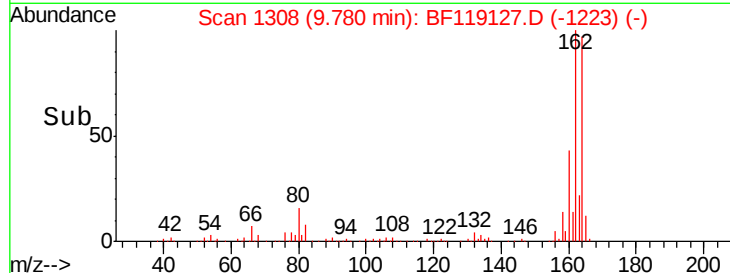
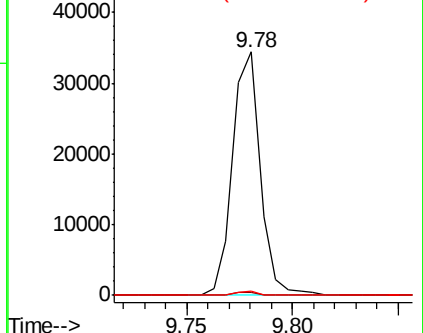
#51
 2,6-Dinitrotoluene
 Concen: 7.530 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. 0.20 min
 Lab File: BF119127.D
 Acq: 28 Feb 2020 00:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.3	51.5#
89	1.6	38.3	57.5#



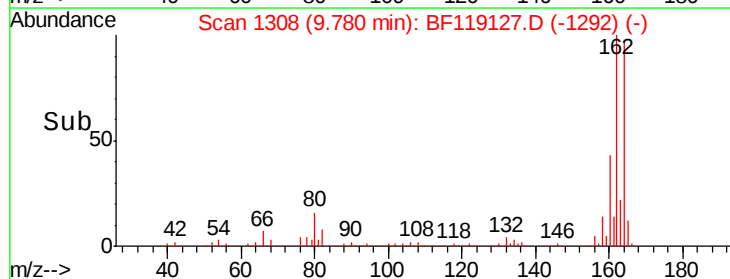
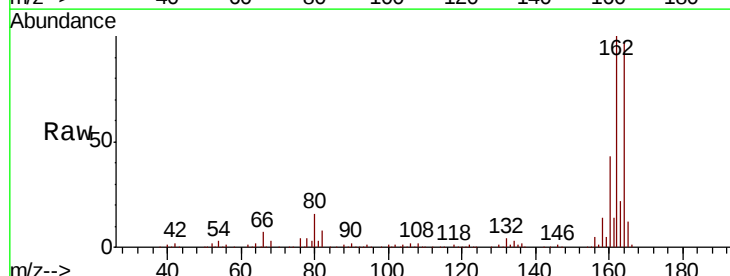
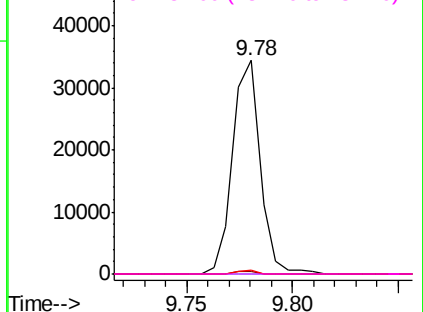
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

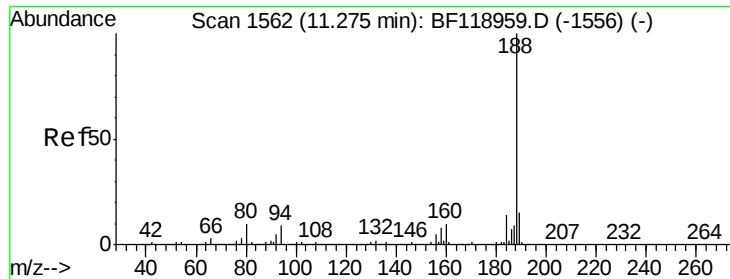


#57
 2,4-Dinitrotoluene
 Concen: 5.810 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.21 min
 Lab File: BF119127.D
 Acq: 28 Feb 2020 00:33

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	42.3	63.5#
89	1.6	60.2	90.4#
182	0.0	2.3	3.5#

Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

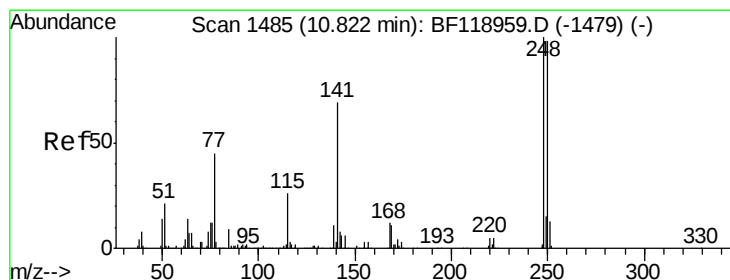
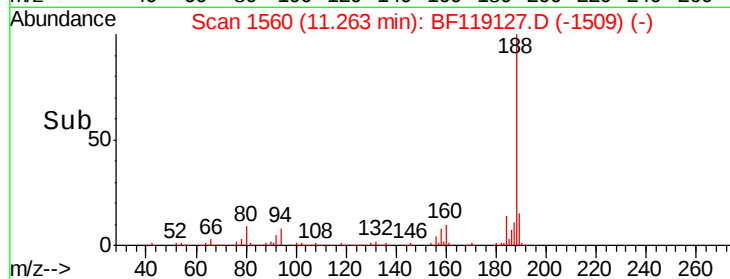
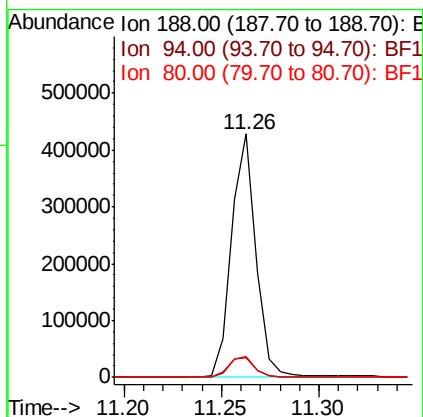
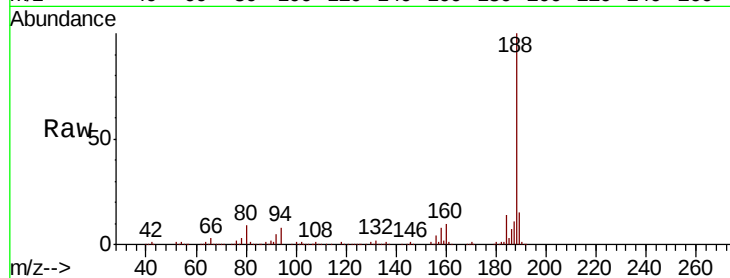




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF119127.D
Acq: 28 Feb 2020 00:33

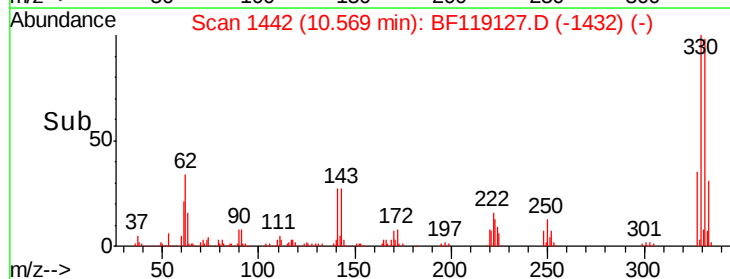
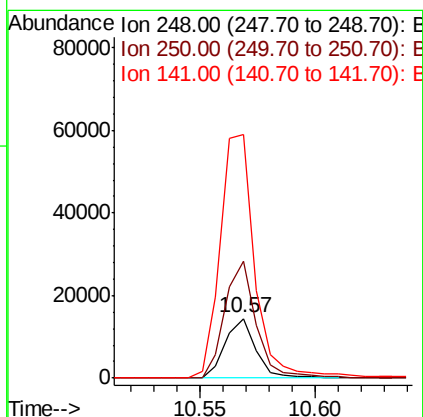
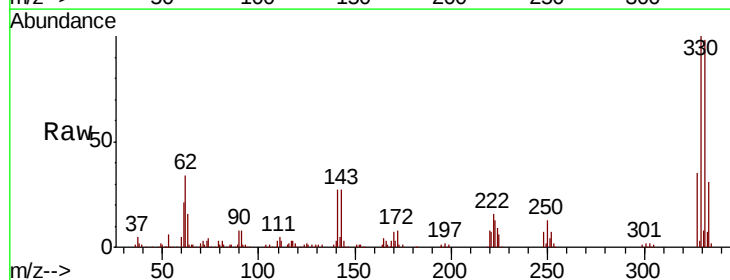
Instrument :
BNA_F
ClientSampleId :

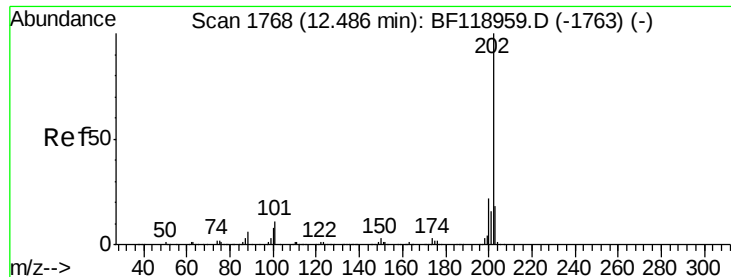
Tot Ion:188 Resp: 371573
Ion Ratio Lower Upper
188 100
94 7.8 7.1 10.7
80 8.8 7.8 11.8



#67
4-Bromophenyl-phenylether
Concen: 2.752 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.24 min
Lab File: BF119127.D
Acq: 28 Feb 2020 00:33

Tgt Ion:248 Resp: 13367
Ion Ratio Lower Upper
248 100
250 196.7 76.7 115.1#
141 410.6 60.7 91.1#





#75

Fluoranthene

Concen: 5.167 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF119127.D

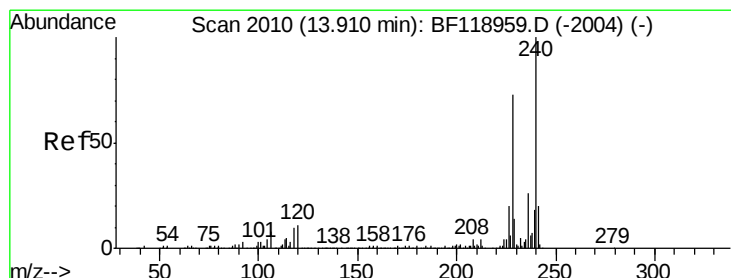
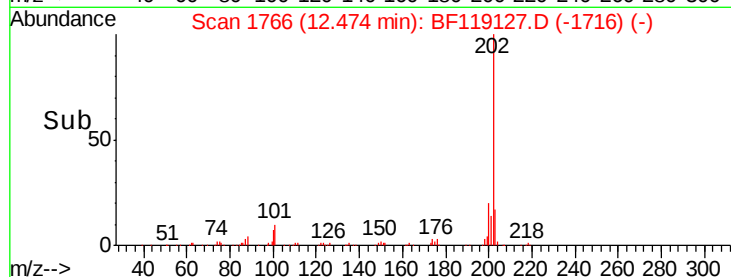
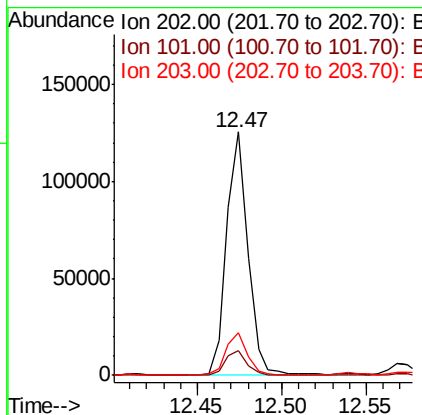
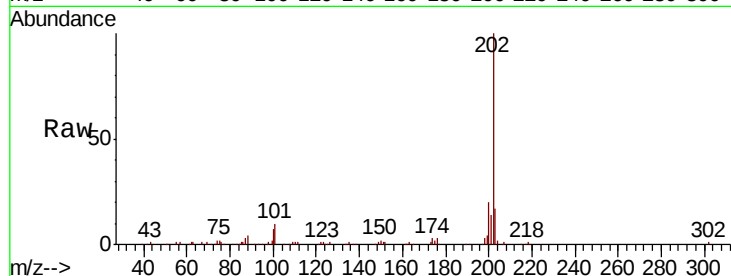
Acq: 28 Feb 2020 00:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	111131
Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.3
203	17.4	0.0	38.4



#76

Chrysene-d12

Concen: 20.000 ng

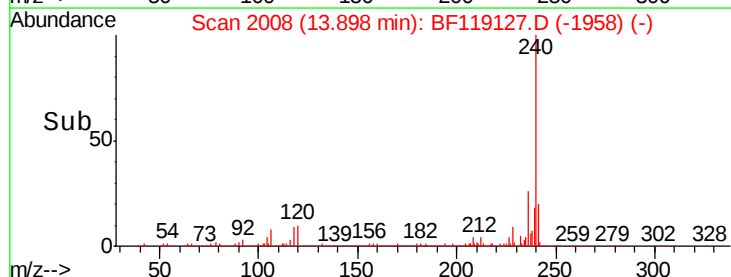
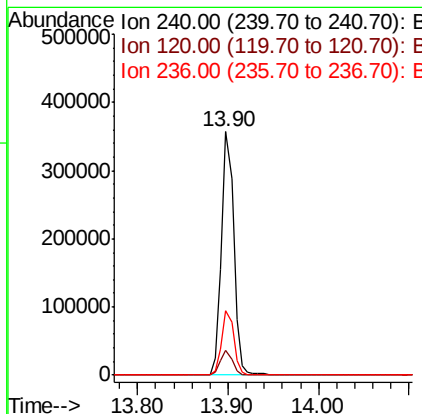
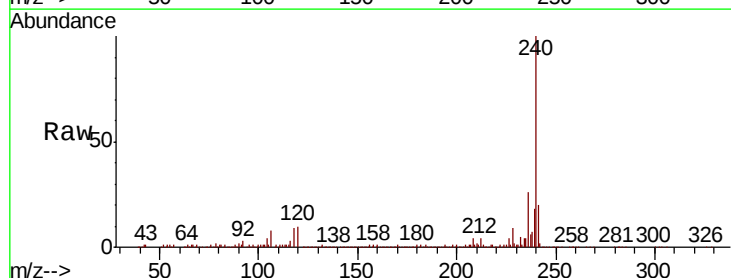
RT: 13.90 min Scan# 2008

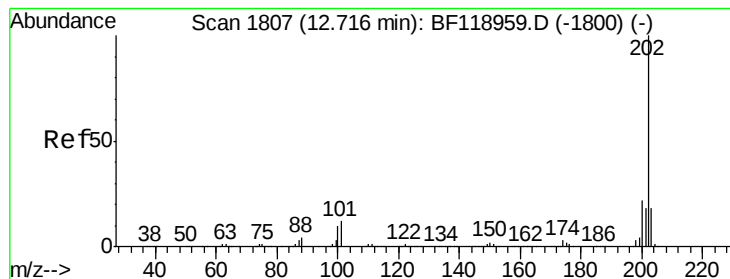
Delta R.T. -0.01 min

Lab File: BF119127.D

Acq: 28 Feb 2020 00:33

Tgt Ion:	240	Resp:	333702
Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.4	12.6
236	26.2	21.0	31.4





#78

Pvrene

Concen: 3.905 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF119127.D

Acq: 28 Feb 2020 00:33

Instrument :

BNA_F

ClientSampleId :

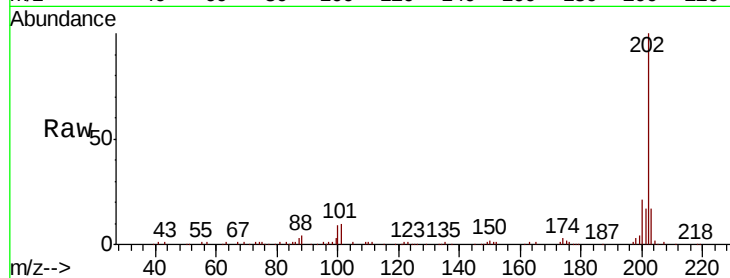
Tot Ion:202 Resp: 104632

Ion Ratio Lower Upper

202 100

200 20.7 18.0 27.0

203 17.4 14.6 22.0

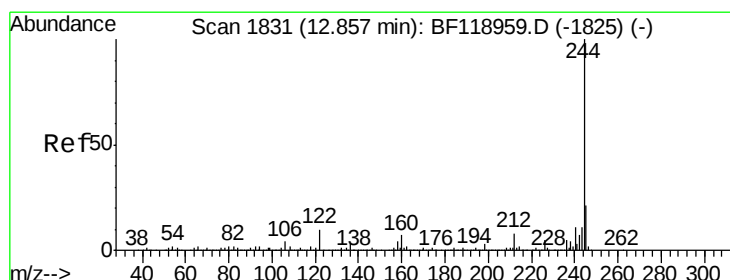
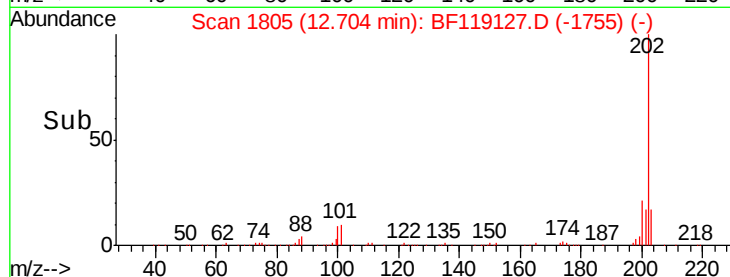
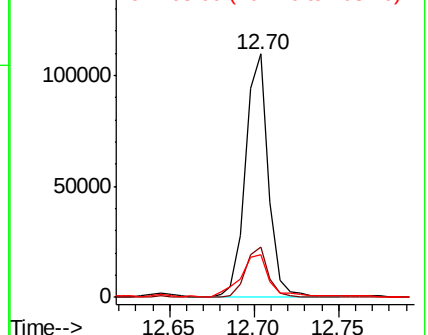


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 41.886 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF119127.D

Acq: 28 Feb 2020 00:33

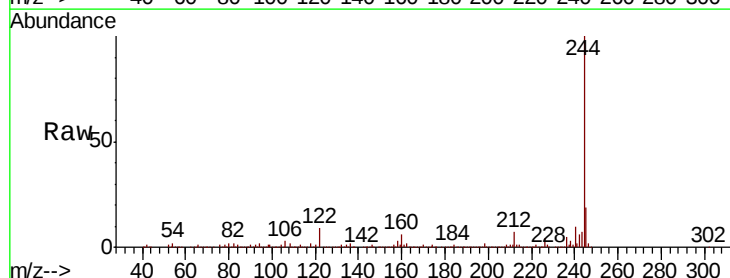
Tgt Ion:244 Resp: 811843

Ion Ratio Lower Upper

244 100

212 6.8 6.6 10.0

122 8.9 8.2 12.2

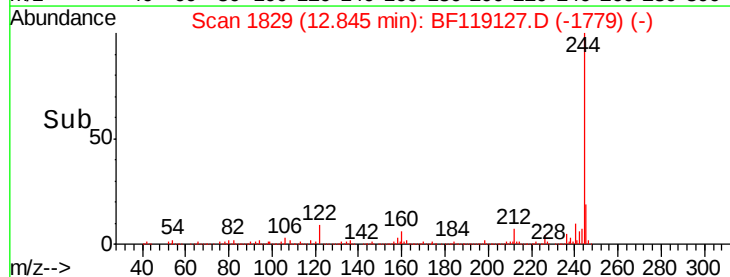
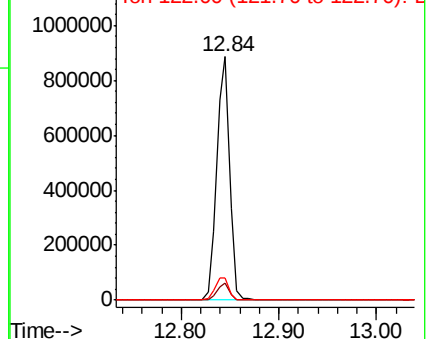


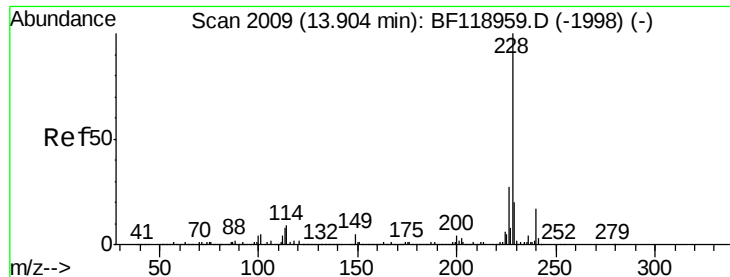
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.455 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF119127.D

Acq: 28 Feb 2020 00:33

Instrument :

BNA_F

ClientSampleId :

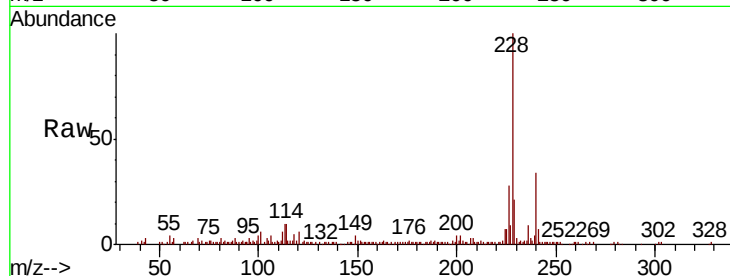
Tot Ion:228 Resp: 78563

Ion Ratio Lower Upper

228 100

226 27.9 22.6 33.8

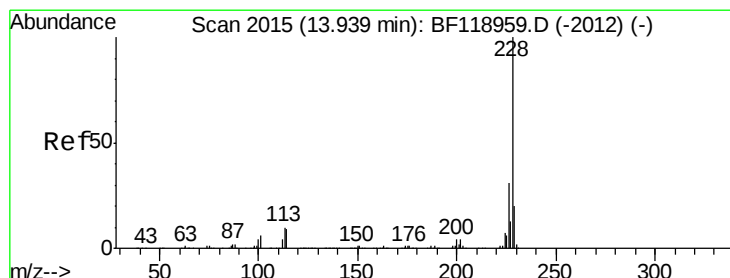
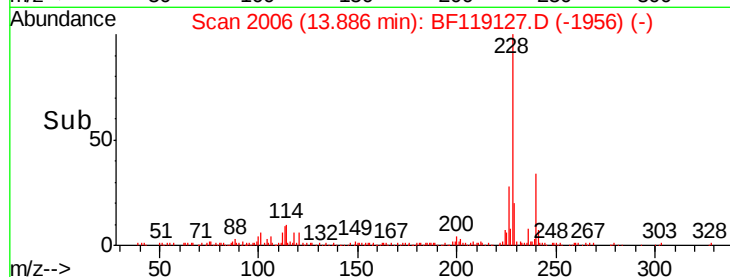
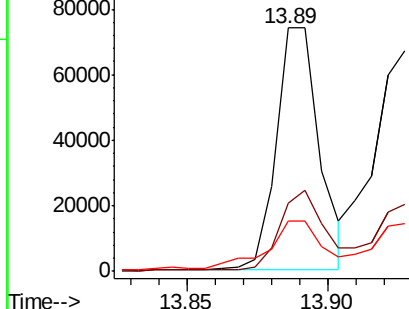
229 20.7 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 3.319 ng

RT: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF119127.D

Acq: 28 Feb 2020 00:33

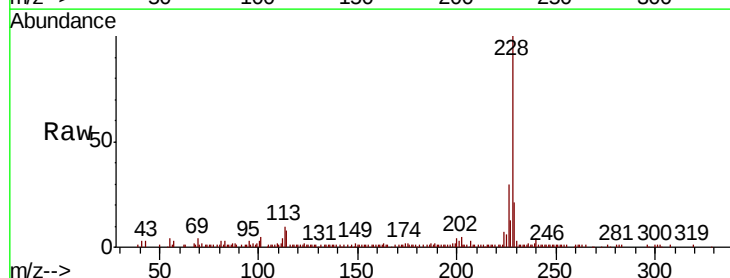
Tgt Ion:228 Resp: 75200

Ion Ratio Lower Upper

228 100

226 30.1 25.1 37.7

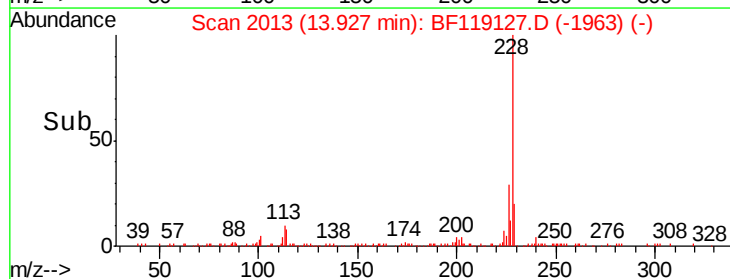
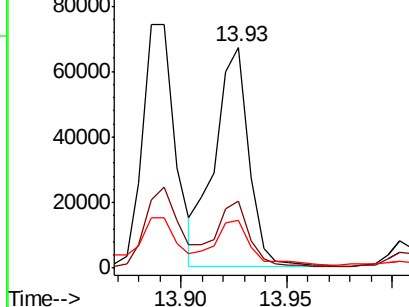
229 21.5 16.3 24.5

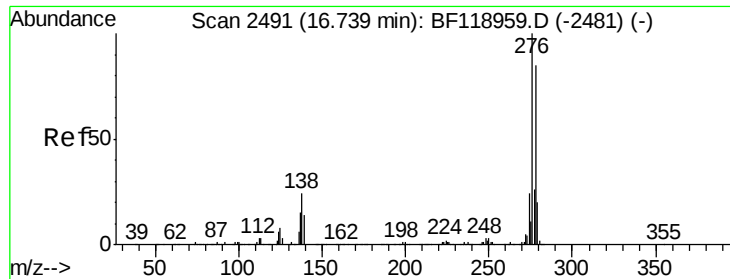


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

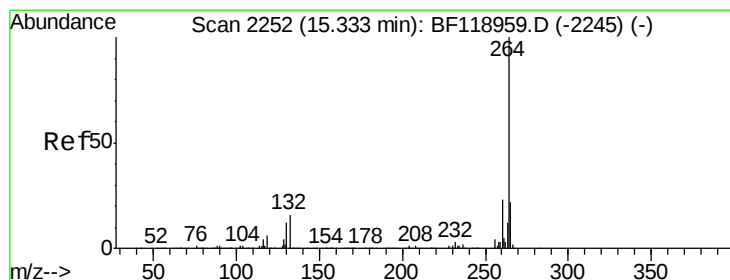
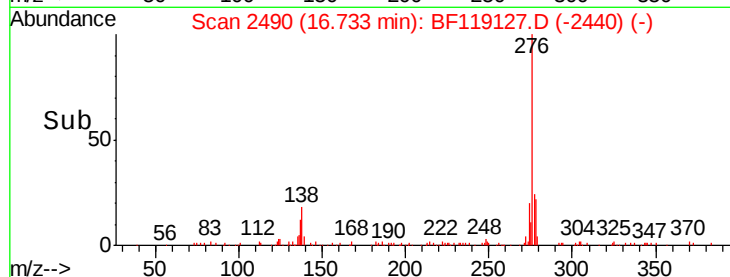
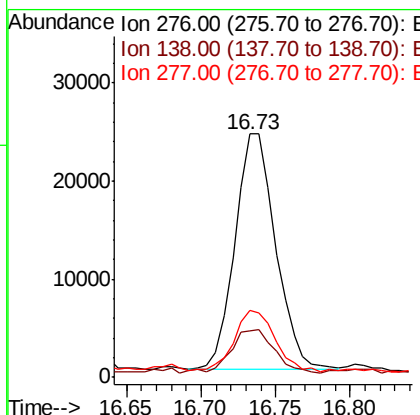
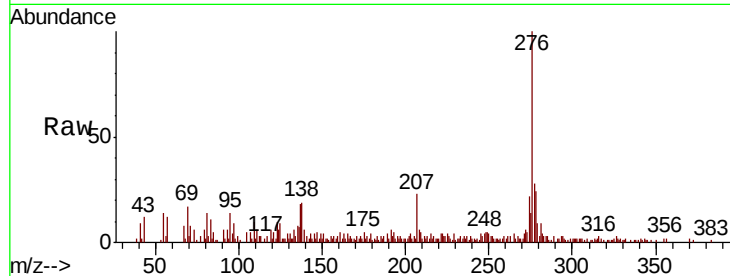




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.075 ng
 RT: 16.73 min Scan# 2490
 Delta R.T. -0.01 min
 Lab File: BF119127.D
 Acq: 28 Feb 2020 00:33

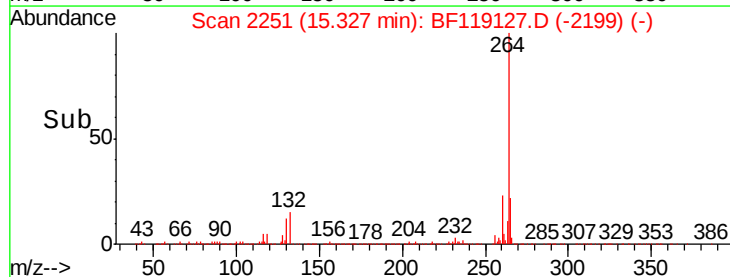
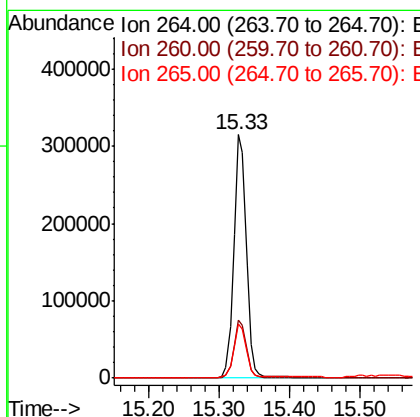
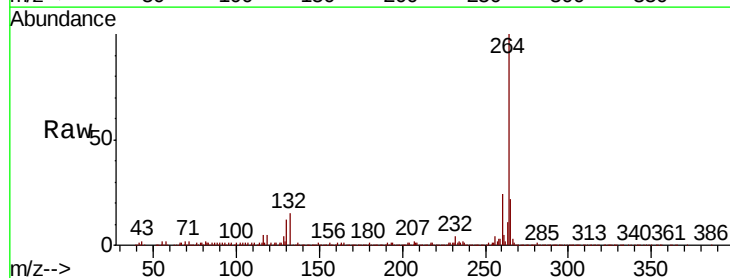
Instrument :
 BNA_F
 ClientSampleId :

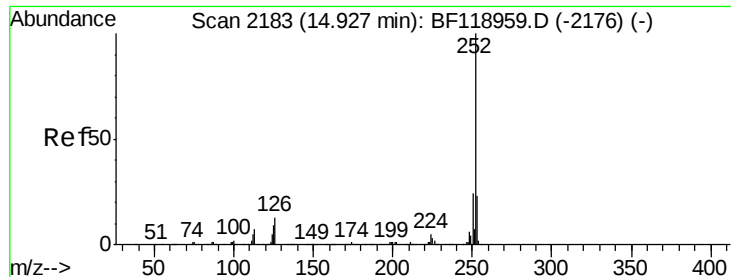
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	17.4	26.0
277	25.8	20.3	30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF119127.D
 Acq: 28 Feb 2020 00:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	22.1	17.7	26.5

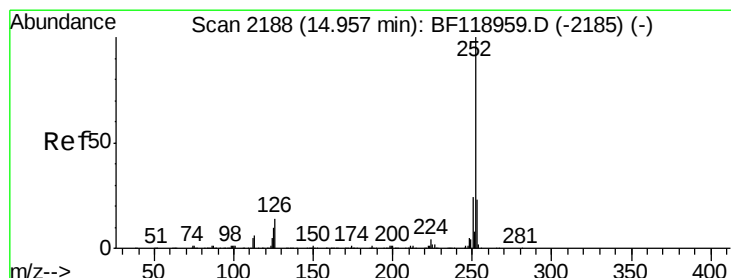
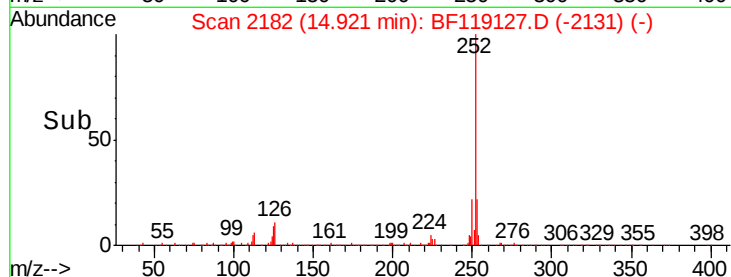
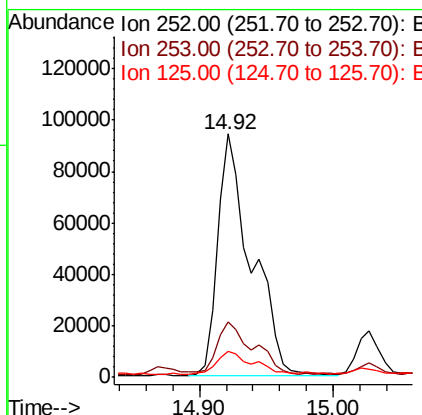
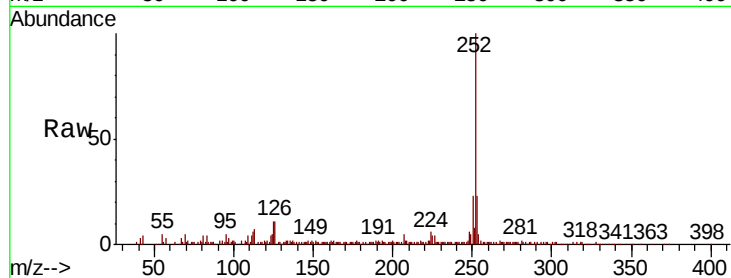




#88
Benzo(b)fluoranthene
Concen: 6.443 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.00 min
Lab File: BF119127.D
Acq: 28 Feb 2020 00:33

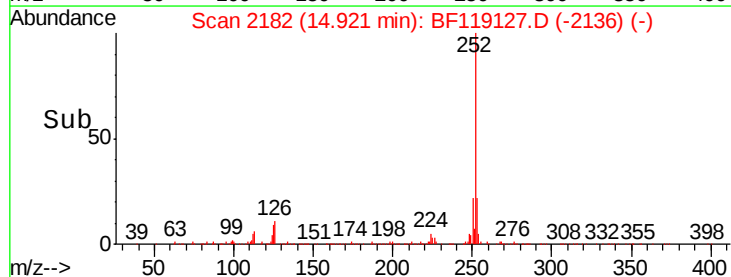
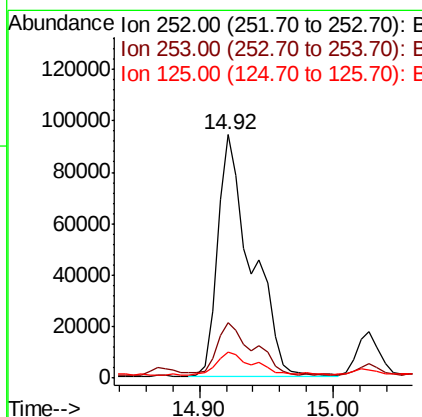
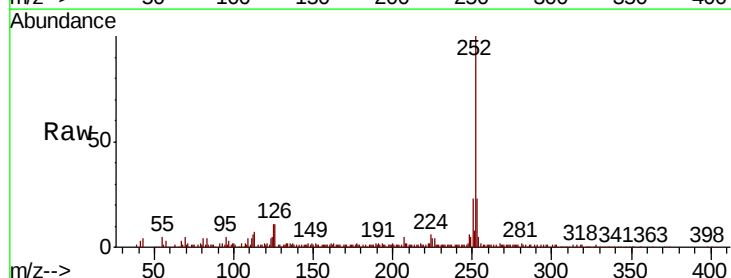
Instrument :
BNA_F
ClientSampleId :

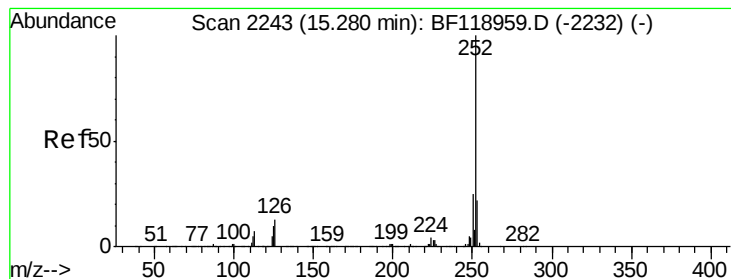
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	10.8	7.4	11.0



#89
Benzo(k)fluoranthene
Concen: 6.953 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.03 min
Lab File: BF119127.D
Acq: 28 Feb 2020 00:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	10.8	7.5	11.3





#90

Benzo(a)pyrene

Concen: 3.626 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.00 min

Lab File: BF119127.D

Acq: 28 Feb 2020 00:33

Instrument :

BNA_F

ClientSampleId :

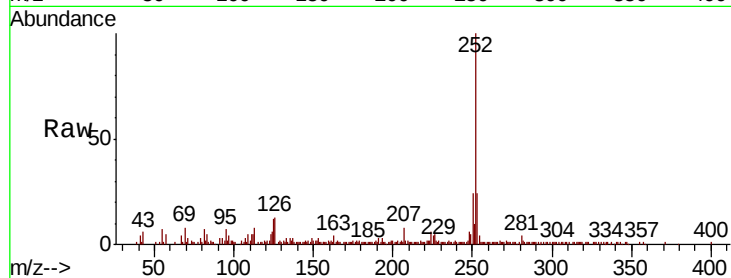
Tot Ion:252 Resp: 83677

Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

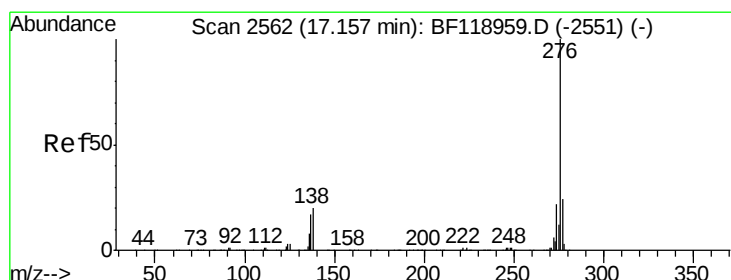
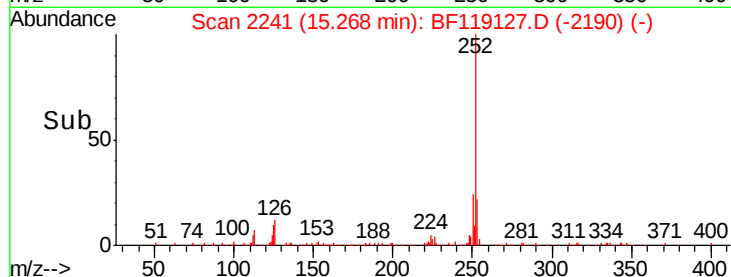
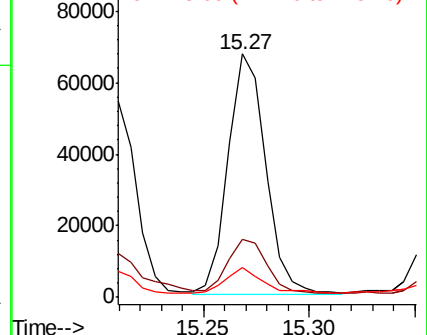
125 12.1 8.6 12.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.070 ng

RT: 17.16 min Scan# 2563

Delta R.T. 0.01 min

Lab File: BF119127.D

Acq: 28 Feb 2020 00:33

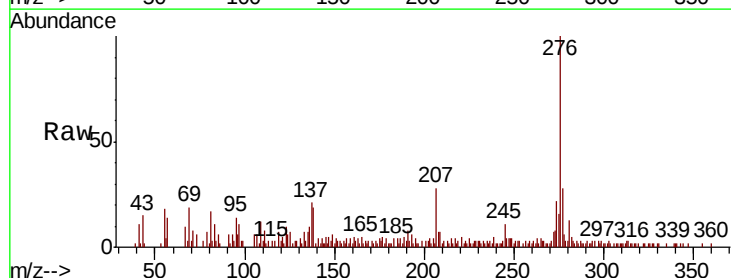
Tgt Ion:276 Resp: 41540

Ion Ratio Lower Upper

276 100

277 28.2 18.7 28.1#

138 18.8 14.3 21.5



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

